WHAT IS CLAIMED IS:

1.   1.   A method of providing access to an information unit by a wireless unit,
2. the method comprising:
3.   providing a first position information containing an access enabled area for the
4. wireless unit, the access enabled area falling within a range of communicable area of a
5. wireless access point;
6.   obtaining a second position information containing a current position of the
7. wireless unit;
8.   if the current position of the wireless unit is within the access enabled area for
9. the wireless unit, then permitting access to the information unit by the wireless unit; and
10.   if the current position of the wireless unit is outside the access enabled area for
11. the wireless unit, then denying access to the information unit by the wireless unit even if the
12. current position of the wireless unit is within the range of communicable area of the access
13. point.

1.   2.   The method of claim 1 wherein the first position information contains
2. a plurality of access enabled areas which fall within the range of communicable area of one
3. or more wireless access points, and wherein if the current position of the wireless unit is
4. within one of the access enabled areas, then permitting access to the information unit by the
5. wireless unit.

1.   3.   The method of claim 2 wherein the first position information contains
2. a first access enabled area which falls within the range of communicable area of a first
3. wireless access point, the first position information including a GPS position of the first
4. access enabled area and a height of the first wireless access point; wherein the second
5. position information includes as the current position of the wireless unit a GPS position
6. information of the wireless unit and a height of the wireless access point through which the
7. wireless unit is evaluated for access to an information unit; and wherein the current position
8. of the wireless unit is within the first access enabled area of the wireless unit if the current
9. position is within the first access enabled area in both the GPS position information and the
10. height.

1.   4.   The method of claim 3 wherein if the current position of the wireless
2. unit is within one of the access enabled areas, a same scope of access to the information unit

3   by the wireless unit is permitted without regard to which of the access enabled areas within

4   which the current position of the wireless unit is.

1   5.   The method of claim 1 wherein the second position information is

2   obtained from the wireless unit.

1   6.   The method of claim 1 wherein the wireless access point is a radio

2   LAN access point.

1   7.   The method of claim 1 wherein permitting access comprises adding the

2   wireless unit to an access origination unit list.

1   8.   The method of claim 7 further comprising periodically obtaining the

2   second position information and, if the current position of the wireless unit is outside the

3   access enabled area for the wireless unit, then removing the wireless unit from the access

4   origination unit list.

1   9.   The method of claim 1 further comprising monitoring the second

2   position information of the wireless unit and, if the current position of the wireless unit is.

3   outside the access enabled area for the wireless unit, then denying access the information unit

4   by the wireless unit.

1   10.   A system for providing access to an information unit by a wireless

2   unit, the system comprising:

3   a memory including a first position information containing an access enabled

4   area for the wireless unit, the access enabled area falling within a range of communicable

5   area of a wireless access point;

6   a position module configured to obtain a second position information

7   containing a current position of the wireless unit; and

8   an access module configured, if the current position of the wireless unit is

9   within the access enabled area for the wireless unit, to permit access to the information unit

10   by the wireless unit, and, if the current position of the wireless unit is outside the access

11   enabled area for the wireless unit, to deny access to the information unit by the wireless unit

12   even if the current position of the wireless unit is within the range of communicable area of

13   the access point.

1   11.   The system of claim 10 wherein the first position information contains
2 a plurality of access enabled areas which fall within the range of communicable area of one
3 or more wireless access points, and wherein if the current position of the wireless unit is
4 within one of the access enabled areas, then permitting access to the information unit by the
5 wireless unit.

1   12.   The system of claim 11 wherein the access module is configured, if the
2 current position of the wireless unit is within one of the access enabled areas, to permit a
3 same scope of access to the information unit by the wireless unit without regard to which of
4 the access enabled areas within which the current position of the wireless unit is.

1   13.   The system of claim 10 wherein the wireless access point is a radio
2 LAN access point.

1   14.   The system of claim 10 wherein the access module is configured, if the
2 current position of the wireless unit is within one of the access enabled areas, to permit access
3 to the information unit by the wireless unit by adding the wireless unit to an access
4 origination unit list in the memory.

1   15.   The system of claim 14 wherein the access module is configured to
2 periodically obtain the second position information and, if the current position of the wireless
3 unit is outside the access enabled area for the wireless unit, to remove the wireless unit from
4 the access origination unit list.

1   16.   The system of claim 10 wherein the access module is configured to
2 monitor the second position information of the wireless unit and, if the current position of the
3 wireless unit is outside the access enabled area for the wireless unit, to deny access the
4 information unit by the wireless unit.

1   17.   In a computer readable medium storing a program used for providing
2 access to an information unit by a wireless unit, the program comprising:
3   code for providing a first position information containing an access enabled
4 area for the wireless unit, the access enabled area falling within a range of communicable
5 area of a wireless access point;
6   code for obtaining a second position information containing a current position
7 of the wireless unit;

8   code for, if the current position of the wireless unit is within the access

9   enabled area for the wireless unit, permitting access to the information unit by the wireless

10   unit; and

11   code for, if the current position of the wireless unit is outside the access

12   enabled area for the wireless unit, denying access to the information unit by the wireless unit

13   even if the current position of the wireless unit is within the range of communicable area of

14   the access point.

1   18.   The program of claim 17 wherein the code for permitting access

2   comprises code for, if the current position of the wireless unit is within one of the access

3   enabled areas, permitting a same scope of access to the information unit by the wireless unit

4   is permitted without regard to which of the access enabled areas within which the current

5   position of the wireless unit is.

1   19.   The program of claim 17 wherein the code for permitting access

2   comprises code for adding the wireless unit to an access origination unit list.

1   20.   The program of claim 19 further comprising code for periodically

2   obtaining the second position information and, if the current position of the wireless unit is

3   outside the access enabled area for the wireless unit, then removing the wireless unit from the

4   access origination unit list.

1   21.   The program of claim 17 further comprising code for monitoring the

2   second position information of the wireless unit and, if the current position of the wireless

3   unit is outside the access enabled area for the wireless unit, then denying access the

4   information unit by the wireless unit.

1   22.   A method of providing access to an information unit by a wireless unit,

2   the method comprising:

3   providing a first position information containing an access enabled area for the

4   wireless unit;

5   obtaining a second position information containing a current position of the

6   wireless unit;

7   if the current position of the wireless unit is within the access enabled area for

8   the wireless unit, then permitting access to the information unit by the wireless unit; and

9   if the current position of the wireless unit is outside the access enabled area for

10   the wireless unit, then denying access to the information unit by the wireless unit even if the

11   current position of the wireless unit is within the range of communicable area of the access

12   point.